





TO:

$$x = P[-i]_{n+s} < P[\bar{X}_{(n)} < i]_{n+s} = P[-i]_{n+s} < \frac{n-s}{\sqrt{n}} < i]_{n+s} = P[\bar{z} < \frac{s(\bar{X}) - i]_{n+s}}{\sqrt{n}} < \frac{s(\bar{X}) - i]_{n+s}}{\sqrt{n}}$$

TO:

$$Z = P\{-t_1 + \epsilon < g(\bar{X}, m) < t_1 + \epsilon\} = P\{-t_1 + \epsilon < \frac{n - \frac{1}{2}}{\sqrt{n}} \sqrt{\frac{1}{n}} < t_1 + \epsilon\} = P\left\{\bar{Z} - \frac{s(\bar{Z})^{*1/2} t_{1-\alpha/2}}{\sqrt{n}} < m < \bar{Z} + \frac{s(\bar{Z})^{*1/2} t_{1-\alpha/2}}{\sqrt{n}}\right\}$$
$$\frac{1}{2} \qquad \frac{1}{2}$$